

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No.	Serial No.
	201-0986DP	09.683.159
	First Named Inventor:	
	Allen ROCHE	
	Filing Date	Group
	11/27/2001	1745 Unassigned




Sheet 1 of 2

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Examiner Initial	Cite No.	Include name of the author, title of the article, title of the item, date, page(s), volume-issue number(s), publisher, city and/or country where published
<i>J. H. K.</i>	C1	Sprayform Tools and Dies Limited (STD), Video Transcript, publication date at least as early as 01 Sept. 2000.
	C2	RADIP TOOLING - Changing the Face of Manufacturing, Compact Disc Digital Data, dated 12 October 2000, trt: 10:50.
	C3	MERLE L. THORPE; and JOSEPH W. MINGE, SPRAY METAL COMPOSITE TOOLING, 26 th Annual National SAMPE (Society For The Advancement Of Material And Process Engineering) Symposium And Exhibition, April 28-30, 1981, Pages 374-382, Figures 1-13 and Table I and II.
	C4	Inventor Allen ROCHE, Co-pending United States Patent Application No. 09/683,161 entitled "Method And Arrangement For Controlling Stresses Based On One-Dimensional Modeling In Sprayform Techniques" and filed 11/27/2001.

EXAMINER	DATE CONSIDERED
<i>J. H. K.</i>	<i>1/5/04</i>
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	First Named Inventor: Allen ROCHE	Filing Date 11-27-2001

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EXAMINER <i>J. H. Kim</i>	DATE CONSIDERED <i>1/25/04</i>
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Application Number 69455159
Filing Date 11-27-01
Applicants Reich et al
Group Art Unit 1236
Examiner Name T. Lin
Attorney Docket Number 201-4956

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume(issue number(s)), publisher, city and/or country where published.
A. Bld		K-H BUSSE; Arc Spraying Of Corded Wires; Thermal Spraying; June 1989; 19-28
		STEEPER et al.; A Taguchi Experimental Design Study Of Twin-Wire Electric Arc Sprayed Aluminum Coatings; Proceedings of the International Thermal Spray Conference & Exposition; May 28-June 5 1992; 427-432; Orlando, FL.
		AKIRA OHMORI; Thermal Spraying Current Status And Future Trends; Proceedings of the 14 th International Thermal Spray Conference; May 22-26 1995; 1197-1202; Kobe, Japan
		CRANE et al.; Relationships Between Process Variables, Structure And Mechanical Properties of Arc Sprayed Steel Coatings; Surface Engineering Conference; 1985; 103-118
		NEWBERY et al.; The Electric Arc Spray Manufacture of Rapid Production Tooling: A Case Study; Proceedings of the 15 th International Thermal Spray Conference; May 25-29 1996; 1223-1228; Nice, France
		ZURECKI et al.; Electric Arc Deposition of Carbon Steel Coatings with Improved Mechanical Properties; Journal of Thermal Spray Technology; December 1997; Volume 6(4); 417-421;
		HARRIS et al.; Influence of Heat Transfer on the Structure and Properties of Arc Sprayed Low Alloy Steels; Surface Engineering conference; 1985; 78-94
		FUSSELL et al.; A Sprayed Steel Tool for Permanent Mold Casting of Aluminum; SAE Technical Paper Series; April 22-26 1991; 1-7; Dayton, OH.
		VOLENIK et al.; Properties of Alloy Steel Coatings Oxidized During Plasma Spraying; Materials Science and Engineering; 1997; A234-235; 493-496
		WEISS et al.; Arc-Sprayed Steel-Faced Tooling; Journal of Thermal Spray Technology; September 1994; Volume 3(3); 275-281
		SMITH et al.; An Investigation of the Effects of Droplet Impact Angle in Thermal Spray Deposition; Proceedings of the 7 th National Thermal Spray Conference; June 20-24 1994; 603-608; Boston, MA.
		KOWALSKY et al.; Diagnostic Behavior of the Wire-Arc-Plasma Spray Process; Proceedings of the International Thermal Spray Conference & Exposition; May 28-June 5 1992; 337-342; Orlando, FL.
		MURAKAMI et al.; Effect of Temperature Rise of Sprayed Deposits of an Fe-2.19wt.%C- 0.65wt.%Si Alloy During Thermal Spraying on the Structures and the Mechanical Properties; Materials Science and Engineering; 1994; A174; 85-94
		PRINZ; Shaping By Deposition; Carnegie Mellon University
		STEFFENS; Metallurgical Changes In The Arc Spraying Of Steel; British Welding Journal; October 1966; 597-605
		BREDENDICK-KAMPER et al.; AES Investigation Of Thermally Sprayed Al ₂ O ₃ Coatings On Steel; Fresenius Journal Anal Chem; 1991; 341; 346-348

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Group Art Unit

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Attorney Docket Number

CRANE et al.; Relationships Between Process Variables, Structure and Mechanical Properties Of Arc Sprayed Steel Coatings; First International Conference On Surface Engineering; June 25-28 1985; 103-118; Brighton, UK

KIM et al.; Heat Flow In Multi-Pass Arc Spraying Process; Surface And Coatings Technology; 1985; 398-408;

CRONJAGER et al.; Investigation About The Machinability Of Arc-Sprayed Steel Coatings; Proceedings Of The Eleventh International Thermal Spraying Conference; September 8-12 1986; 372; Montreal, Canada

STEFFANS et al.; The Sonarc Process: Combining The Advantages Of Arc And HVOF Spraying; Journal Of Thermal Spray Technology; December 1994; 398-403; Volume 3(4)

WEISS et al.; Rapid Prototyping Of Tools; Carnegie Mellon University; October 1989; 1-23

SHARGAVA et al.; Automated Ejectability Analysis And Parting Surface Generation For Mold Tool Design; Carnegie Mellon University; May 1991; 1-29

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CLYENS; Rapid Tooling Manufactured By Spray Tool Steel Directly Onto Stereolithography Models;

HE et al.; Net Shape Simulation And Control; Proceedings Of The 7th National Thermal Spray Conference; June 20-24 1994; 415-419; Boston, MA

GILL et al.; Monitoring Of Residual Stress Generation During Thermal Spraying By Curvature Measurements; Proceedings Of The 7th National Thermal Spray Conference; June 20-24 1994; 581-592; Boston, MA

RASTEGAR et al.; On The Optimal Motion Planning For Solid Freeform Fabrication By Thermal Spraying; Proceedings Of The 7th National Thermal Spray Conference; June 20-24 1994; 453-453; Boston, MA

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KNIGHT et al.; Residual Stresses In Thermally Sprayed Coatings; Proceedings of the 1993 National Thermal Spray Conference; June 7-11 1993; 507512; Anaheim, CA

NEISER et al.; Use Of A Computer Model To Assist In VPS Parameter Development; Proceedings of the 1993 National Thermal Spray Conference; June 7-11 1993; 61-68; Anaheim, CA

EINERSON et al.; Intelligent Control Strategies For The Plasma Spray Process; Proceedings of the 1993 National Thermal Spray Conference; June 7-11 1993; 205-211; Anaheim, CA

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